

The Oregon Tualatin Valley Amateur Radio Club Newsletter

December, 1987



An ARRL Special Service Club

Annual Meeting: December 9

HOLIDAY PARTY

BY SANDIE, N7JXW

The Annual OTVARC Holiday Party will be the final social event of the year. We will be following the same arrangement as in previous years. For those of you who will be attending for the first time, here is the format:

The party is a dressy to casual affair. Food is pot luck finger food. The club furnishes plates, cups, glasses, ice, mixers, punch, coffee and tea. The club does not furnish alcohol. BYOB marked with your call.

A Ladies door prize is raffled free.

A raffle is held for hundreds of dollars in prizes.

This year the entertainment portion of the party will be different. We will exchange "White Elephants". (See separate article.)

Come join the fun!

December 19, 1987 7:00PM

St. Bartholomew Episcopal Church
11265 SW Cabot Street, Beaverton

(From Canyon Road turn north on 114th, east on Center and you'll see the church.)

If you have any questions, call me at 234-9441, Pat, KA7UPG, or any Board Member.

See you there!

(Ed's note: At press time rumor has it that we'll have a special guest appearance of Lolly Parton to lead us in singing-a-long.)

WORDS FROM THE PREZ BY PAUL, WB6SHR

Well members, how did we do this year? I know one thing for sure, we were really busy and the time just flew by. I guess the old cliché "time flies when you're having fun" must apply because I feel like we just got our programs going a few months ago. A lot of things were accomplished in the past 12 months and I would like to point out some of the key things I feel were important or interesting.

For openers, I really enjoyed being President. It was a lot of work but I sure had a lot of fun and learned a lot. I will say this. My perception of what the President's job was and what I did as President was entirely different. But it was fun though and I enjoyed every minute of it.

We had it a little rough at the beginning of the year, if you recall. You can bet I will never help introduce a change to a club's constitution when just taking office again. What a great way to cause a lot of excitement, learn how to make friends and influence enemies all at once. Oh well, it was a great learning process, one I will not forget for a while that is for sure.

One very important thing many club members learned was to be willing to try new and different things. Change is good if it is handled correctly. We broke away from "this is the way we did it last year" syndrome which, I think, is a good thing. Thanks to people like Tony, KA7ZDE; Bobbi, Dee, KA7NPN and Terry, WB7CHK the club has excellent RV camping trips, dineout nights and project night programs. These programs are not necessarily new to the club, they are just structured differently.

I was very pleased to see a 34% increase in membership since the beginning of the year. I could say that increase was mainly due to our programs and activities, but it is a whole lot more than that. I believe it is due to the fact that we are proud of our club and we encourage people to come to events

and join us in the fun we are having. Our club is becoming very social in nature and the fellowship and fun we are having is having a positive impact on all of us.

There are a lot of things still to be done in the club though and in order for it to continue to grow and be successful, we need good leadership. It looks like we will have that leadership next year. We have a good selection of candidates for office next year and whoever is elected will do a good job.

Thank you for letting me be your President this past year. I enjoyed every minute of it. I learned a lot and I hope you had as much fun as I did. I look forward to next year and the challenges that are before us. It definitely was a good year. Have a Happy Holiday Season.

BOARD SEEKS PROMOTIONS COORDINATOR

The OTVARC Board of Directors voted last month to create a position to assist the Secretary and Treasurer in promoting various club sale items. Included are jackets, coffee mugs, badges, patches, QSL cards and whatever else may be sold in the future.

If you are interested in helping out (and it would be a real lifesaver) please call Jeff or Sue as soon as possible. Thank you.

INTEREST IN CLUB QSL CARDS HEATING UP

Many of you will recall the AL7W-printed club QSL cards of a couple of years ago. A number of members have expressed an interest in re-ordering the cards, however, before we can get the printer to cough, we need to present him with commitments for at least an order of 10,000. So far we're up to 2,500. As soon as we can fill the next order, we will solicit Lea for a quote. Seems like they were pretty reasonable back then. They sure look good! Samples will be available at the December club meeting. Any takers?

NO PROJECT NIGHT IN DECEMBER AND NO RV
CAMPOUT DUE TO THE HOLIDAY SEASON
Get set to go again in January

COLUMBIAKNIT FACTORY STORE

Close Outs Rugby Shirts
Seconds Sweaters
Overruns More!

10% OTVARC Discount with this Coupon
through 12/31/87

5100 S.E. Harney Dr., Portland, OR
(503) 777-7385

NOVICE ROUNDUP AROUND THE CORNER BYJEFF, K7JF

To promote contest activity for Novices and Technicians, the ARRL sponsors an annual Novice Roundup the first weekend in February. The 1988 NR (as it's abbreviated during the contest) is scheduled for January 30 - February 7. Yes, a whole week of contest; and only Novices and Technicians can win.

Of course all others are welcome to make contacts and provide points. To spice up the local pot, the OTVARC Contest Committee is sponsoring a mini-Roundup during the very last two hours of the contest on February 7. The purpose of the mini-test is to help out all participants, but more important, to get club Novices and Techs on the air to have some fun. Details will appear in next month's Newsletter.

MEMBERS CELEBRATE DECEMBER BIRTHDAYS

Congratulations to the following members celebrating birthdays during December:

Chuck Bock	N7DZA	Dec	1
Elaine Eppick	KB7ANT		2
Bert Schmidt	W7JWG		2
Walt Evans	K7NSA		3
Joan Schouweiler	KA7VXC		3
John Ewing	K7SHC		5
Pat Griffiths	KA7UFG		6
Valerie Rall	KB7CLH		7
Sandle Ballard	N7JXW		7
John Halde	WA7CZA		1
Pamela Allyn	KA7ZU2		12
Larry Ogburn	KC7QV		13
Bob Ledbetter	K6RH		16
George Morgan	WB3ELG		18
Stan Griffiths	W7NI		19
Edith Litvin	KA7MIF		20
Calvin Culbertson	W7SAN		26
Don Tuite	NR7X		26
Ray Franco	KB7AGG		27
Ken Nordling	W7EZE		28
Jim Stevens	WB7PRL		28
Vince Slawik	N7CMV		30

FOR SALE

COMPLETE STATION - MINT CONDITION
LESS THAN 5 HOURS ACTUAL OPERATING TIME

- * Kenwood TS 180S Solid State Transceiver with digital frequency control - CW filter & SSB filter.
- * Kenwood PS-30 Power Supply.
- * Kenwood SP-180 speaker with audio filters.
- * Kenwood AT-180 antenna tuner with built in watt meter for both forward & reflected power.

Complete station with all manuals, original boxes etc. \$850 or best offer

- * Mini quad - 20-15-10-6 meters with spare coil \$100

Chuck Bock, N7DZA
641-4565 Home 256-2800 Work

DX FOR BEGINNERS AND OTHERS
BY GREG, W7AGQ

Last month I told you I would give some quotes from "The W6GO/K6HHD QSL Manager List".

Quote from Issue 89, July 13, 1987.

"BASICS FOR SUCCESSFUL QSLing"

"Use 24 hour Universal time (UTC). Write out the name of the month. Write or print clearly. DO NOT make corrections of a QSL card, make a new card. ALWAYS send SASE (self addressed stamped envelope) or SAE (self addressed envelope) AND IRCs OR \$ FOR RETURN POSTAGE... (or DX country stamps if you can get them)... "If you fold anything place it in the envelope with the fold on the bottom. BE PATIENT."

"Using QSL bureaus is fine if you wish to send cards as a courtesy to the stations you talk to. In many cases "Via the Bureau" is the only possible way to QSL. But if you do use the Bureau then send the cards direct to the station you talked to and not via a QSL Manager. ... (Possible exception with Soviet stations where Box 88 Moscow is the only way).

"If receiving a card in return is important to you, then you must help finance the return..."

From Issue 90 of the "GO/HHD List", August 10, 1987:

"SUCCESSFUL QSLing"
"YOUR QSL CARD"

All of the necessary information INCLUDING YOUR CALL should be on one side of your card. Managers hate having to turn cards over to find the call. It is especially time consuming for those managers handling expedition cards. It is fine to have a two-sided card but PLEASE make sure your call is ALSO included on the side with the QSO information.

"EXPLANATIONS"

"If you keep your log in Universal Coordinated Time (UTC) then the time on your card will agree with the time in the DX Station's log and save the manager countless hours. We will continue to harp on this point until we convince you all that you must have a clock (preferably 24 hour clock) in your hamshack that tells time in the International Standard. Formerly referred to as GMT, also referred to as Zulu time by members of the military and 'MARS' members. KEEP YOUR LOG IN UTC."

"REMEMBER that the date changes at 0000. This is early evening in the U.S. (4PM PST).

"If you work a station on April 1, 1987 and you put 4/1/87 on the card and then send it to an overseas country there will be a problem. Most everyone but the U.S. abbreviates date with y/month/year; someone outside the U.S. will read the date as January 4, 1987. Therefore, avoid confusion by writing

out the NAME of the month. The biggest headache that QSL Managers have is trying to figure out the time and date you have worked their stations!

"Be sure that all entries on your card are readable. If your handwriting is poor, PLEASE PRINT. If the Manager of a DX Station cannot decipher your writing you may get your card back or it may be filed in the 'round file' and you get no return QSL. DO NOT CORRECT MISTAKES, MAKE A NEW CARD. Correcting errors on a card that is later used to apply for awards could cause that card to be disqualified as 'altered'."

"SASE stands for 'self addressed stamped envelope' and SAE is 'self addressed envelope'. ALWAYS send at least one SASE or SAE. If your request is for several cards and especially if it is for more than one station that is handled by the Manager, send more than one envelope or be prepared to wait much longer for those cards. Postage expenses come out of the manager's pocket. Standard letter size envelopes are preferred by most Managers. If you don't send the means for returning your card, it may come back via the Bureau or perhaps NOT AT ALL. (Some Managers refuse to answer Bureau cards.) When you send a request to an Overseas Manager or direct to the station you want the card from, include IRCs (International Reply Coupons) for return and a SAE. Some folks send 'Greenstamps' (U.S. dollar bills) for return postage."

"Please use discretion when sending dollars overseas. They are good most everywhere. However, there are a few places where you may get the person on the other end in trouble by sending money, or, he may never receive it. Mail theft is quite common in some areas of the world."

"If you fold your SASE put the fold in the bottom of the envelope in which you enclose it. Many SASEs have been cut in half by the letter opener because the fold was at the top!"

"BE PATIENT. Managers have various ways of receiving log information but the most common is via the mail. Sometimes it may take six months due to the lack of mail service to some remote islands. If the operation was a DXpedition the cards may not be printed until the operation is completed and if pictures QSLs are to be printed they take extra long."

"QSLing is expensive. There is no way around it. Just remember that it is also costly for the fellow on the other end. And the more in demand he is, the more expense it is for him. Consider the stations most in demand in remote areas of the world." (I can think of at least two examples of island countries where there is only one active amateur radio operator in the whole country.) "They must buy literally thousands of cards to answer that demand. If they were also expected to QSL via the

Bureau, their Bureau may be a very long way away from them - or - they may not have a bureau. Just the postage to send several hundred cards to the Bureau for distribution may be a prohibitive expense. So, the rarer the station, the less likely it is you can expect a card 'via the Bureau'. You must share the expense by making it easy for the station to return his card to you."

Thanks again to K6HHD for permission to use this information from the "W6GO/K6HHD QSL Manager List".

73 and 88 where appropriate.

CONTEST DUPING BY BOB, N7CTY

Well, here I am back after the fun CQWW weekend. I told you in the previous article that I would try out the Contesting dupe program and give the results.

The program worked flawlessly, but I discovered some things that slow the process down. The program duped the calls all in less than a second, but because of the printer I use, I lost several seconds on each call while the information was being printed out.

I believe this can be overcome if the printer you use has a built in buffer. The time for each call to be duped and printed turned out to be about 2 to 3 seconds. The only other glitch in the computer is that the interrupt is disabled when you save to disk, so you have to update the internal clock every few hours. This proved to be no problem.

The major reason for using the printer for a hard printout became very evident part way into the contest. I had the power go out for a few seconds in the house, so all the information in memory was lost. But because I saved the information every time there was a pause in calls coming in, I only had to load the program back in, load the call memory back in and enter the four calls on the hard copy into memory. I only lost five minutes doing all this. I also noticed that my typing skills improved during the contest.

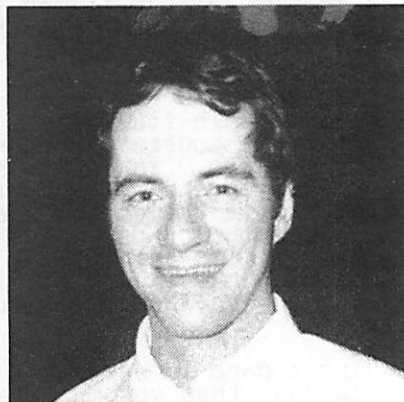
The nice thing about using the computer is that when I was done, all the information was on disk. The next day I was able to score the log printout and using a short program I wrote, print out stickers for the QSL cards. Then all I had to do was put the stickers on the cards, mail the log and look at my QSL Managers list for the calls I wanted to QSL direct.

All in all I believe the program worked to the degree I wanted it to. If you wish more information, please drop me a line or call me at 357-5448. Thanks.

NEW MEMBERS CORNER BY KATHRYN, KA7UMB

Welcome to our new members for this month who are Associate members John Salisbury and Sam Senior.

John is a lawyer (no wonder I had trouble reaching him by phone), married to Janine. He became interested in ham radio way back in high school and finally decided it was time to start working on his license. His hobbies include sax, clarinet and hiking.

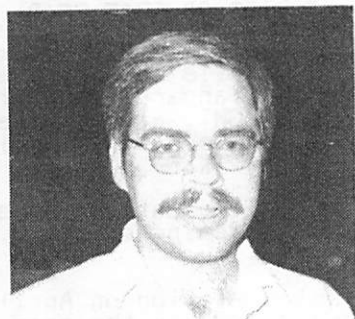


JOHN SALISBURY

Sam is employed by Bonneville Power. He was a short wave listener for a long time and is interested in being able to talk to Japanese amateur radio operator when he obtains the appropriate license. He is married to Priscilla and hobbies include fencing, where he has spent 30 years in competitions, and motorcycling.

Both John and Sam have been taking KA7HJT, Randy's class and have now passed their Novice license. Congratulations.

Dave Duff, KA7EWK joined at the November meeting, but didn't list a phone number so I was unable to reach him. We'd sure like to have so info on you, Dave, if you'd give me a call



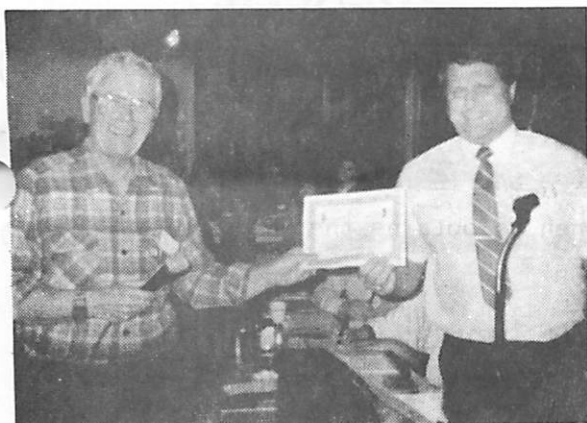
DAVE DUFF, KA7EWK

FCC HOLDS BACK ON BICENTENNIAL PREFIXES BY JEFF, K7JF

As mentioned several months ago, OTVARC petitioned the FCC through the ARRL to sponsor a "K200" special call sign during the February 14 week of Oregon's statehood. The prefix designator is being used throughout the rest of 1987 and 1988 to honor the 200th anniversary of the U. S. Constitution.

According to Lee Hayford, AH2W, ARRL Club Coordinator those clubs located in the respective state's capitols are being given first priority in call sign authorization. Others will just have to wait. With Oregon's early birthday, time is running out -- fast.

We will keep you informed of any changes or decisions regarding our petition. The 1988 ARRL National Convention Station Committee has also requested authorization to use a special call during the September convention.



PAUL, WB6SHR RECEIVES THE SPECIAL
SERVICE CLUB CERTIFICATE FROM BOB, WF7Q

Happy Holidays



PUBLIC SERVICE BY RANDY, KZ7T

Well this will be my last report for the year, so I would like to take this opportunity to thank everyone who has helped over the year. I would especially like to thank Bud, KC7PS and Mike, KE7HS for all of the races that we worked this year.

I just hope that Mike will get the chance to see and talk to Katey Angel again, so we can figure on him for the next year. I might even try to arrange it so that she will be at the first race in January. Also, I have to convince Bud that it is fun riding in the back of a pickup in the pouring rain with water running off of his nose and the wind blowing like mad just to let me know who is in the lead.

Our last event of any size is the Lions Phone Book Pickup. We have already done it for November and will have to do it again on December 12.

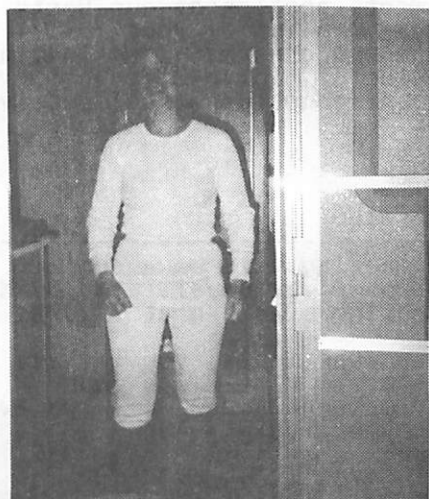
While I am on the subject I would like to thank Roy, N7DUJ; Van, KE7BB; Bill, WC7P; Jim, KB7ADH; Pat, KA7UFG; Rex, KA7YKR; Ray, NO7X; Lorna, KA7RFD; Deborah, N7KAE; Dee, KA7NPN for getting the OTVARC trailer down to the Lloyd Center and Terry, WB7CHK for bringing the trailer back home.

We had four new people help us and they were Ray, NO7X and Deborah, N7KAE who were participating for the first time as club members in a Public Service event. Bob, KB7CGC (Elaine's Dad, KB7ANT) and Cory, KB7BEC (recruited by Rex) who do not belong to the club.

Our trailer sure did come in handy. We could set up our maps and be in a semi-quiet place to do our work.

I will have the list of hams who worked this year's events in the January Newsletter. So again, thanks for all of the help, it has been great working with all of you. I don't know were I could find a nicer group of people to work with and I am looking forward to next year.

I would like to wish all of you a very Merry Christmas and a Happy New Year



SUE WORKING AT HOOD TO COAST
ARE WE HAVING FUN YET???

FCC VE TESTING

NORTHWEST AMATEUR RADIO COUNCIL AMATEUR RADIO LICENSE EXAMINATION TECHNICIAN THROUGH EXTRA

Portland Community College
Sylvania Campus
College Center Building
Cedar Room (Adj. to Cafeteria)
12000 SW 49th, Portland

**EXAMS HELD FIRST SATURDAY OF EACH
MONTH BEGINNING PROMPTLY AT 10:00AM**

REGISTRATION INFO:

1. Bring Original license + photocopy and original Certificate if you have one. Also bring Identification with picture.
2. Bring a check or money order for \$4.55 payable to ARRL/VEC.
3. Arrive about 9:30AM.

More Info: Call Randy, KA7HJT 649-5066

WHITE ELEPHANTS AT HOLIDAY PARTY BY SANDIE, N7JXW

White Elephant: An unwanted or useless possession that is difficult to dispose of; a possession that costs more to keep and maintain than it is worth. The gift of a White Elephant was made to disfavored people whom the King of Slam wished to financially ruin.

Rules:

1. Wrapped in gift wrap with card stating gender of intended recipient.
2. Must weigh less than 25 lbs.
3. Must be working, or close to it.
4. Bring one gift - take one gift. Men bring mens, women bring womens gift.
5. May not be a human or pet.
6. **MAY NOT BE PURCHASED FOR THIS OCCASION.**

Ideas:

1. Unfinished projects.
2. Things you received as a gift and hate.
3. Things that go with nothing you own.
4. Meters, tubes, solder suckers, etc.

This is intended to be the "Entertainment" portion of our Party. It can be as much fun as your imaginations can create. Keep in mind the definition of "White Elephant", especially the consequences of receiving one.

DECEMBER MEETING

December 9 meeting will be a social evening. Dinner, as usual, at 6:30PM with the meeting starting at 7:00PM.

After the announcements, you'll have plenty of time to visit with your friends and make new ones while we await the election results.

HEARD AROUND THE CLUB BY LORNA, KA7RFD

Deborah, formerly KA2JPT, now has her new Technician call, N7KAE.

A welcome to our world to Ryan Durr, born on October 21. A second son for Sally and Jeff, KA7AKU. Congratulations, proud parents.

Spring wedding bells for Mark, N7CRG and Val, N7JWA. As soon as Val finishes her airline training and gets a job they'll be setting the actual date. Our congratulations and best wishes.

Back from an interesting trip to Hong Kong - Van, KE7BB.

The RV group had a real fun weekend at Depoe Bay with 42 people attending the Thanksgiving potluck banquet. Details and photos in the next Newsletter.

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N7DZA

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PORTLAND, OREGON 97230

503 - 256-2800

HERE IS A WORD PUZZLE COMPILED BY NEIL, WASKLA FOR OUR HOLIDAY ENJOYMENT. WHEN THE BANDS ARE BAD AND THE BALL GAME EVEN WORSE, HAVE AT IT.

WORD (?) SEARCH

FIND AND CIRCLE THE HIDDEN WORDS (?) LISTED BELOW. EXAMPLE: OTVARC

R S A W A Y O T V A R C I S 7 B W M W B U
D W 7 A G Q E F F P L A B E N S O N I T T
J R U S H L A M N A 7 M O A S V O F F E J
M D A P W K S A C U L P R S N G D R U S H
N N Y K Z J W R C L U B S P E C I A L A 7
K 7 J F E X M A S A C E B R R R A L E E A
W E F M P A R T Y Y L O R N A V A 6 3 K
A P F P X D E C I 9 E L U D E D 2 I N H A
7 E F R E E D M A N L C R B F I K N C D 7
J W B 6 S H R L M M L L H G R G O R 7 Y E N P
B Y A W K R Z S U S A N 3 M A E B J R K X N
E X T U A L A T I N V T H R N W G X L A V
P C M A R Y L E W I S 6 E 7 I N 7 W I A V
W W A 6 K L A G E Q O S 2 U D E C I 9 8 7
L H P 4 B K 7 B T 7 Z K A 7 R F D G L H R

JEFF
FREEDMAN
LORNA
CAMPBELL
RUSH
DRAKE
OREGON
TUALATIN
VALLEY
AMATEUR
RADIO

CLUB
PAUL
LUCAS
SPECIAL
SERVICE
CLUB
SUSAN
BENSON
XMAS
PARTY
DEC19

ARES
ARRL
CW
FM
JEFF
JEFF
JEFF
K7BI
K7JF
K7RXV

KATKJT
KA7NPN
KA7HFD
KB4PHL
KZ7T
N7EPE
N7EPE
N7JXW
N17E
OTVARC

QSI
RUSH
W7AGQ
W7NI
W7RM
WA6KLA
WB6SHR
WA7JBE
WB7CHK
WB7SIC

WHO IS K7JFE?

STANLEY HAMM ON TOWERS - PART VIII
BY STAN, W7NI

If you're planning to spend \$500 on a tower, you should plan to spend another \$500 on the guy system. That comes as a shock to most people when putting up their first tower. It's true. Good guys cost as much as a good tower and the guy system is no place to skimp. Your life depends on it...

In Part VII we talked about fasteners for guys, mostly wire rope clips (cable clamps) and crimped-on copper fasteners. There is another way. Utility companies use a wrap-around device made of the same type of wire that the stiff, non-flexible guy cable is made of. This type of fastener is a couple of feet long and wraps around the cable gripping it like a "Chinese Finger Trap". Called "guy grips", these things grip tighter and tighter as the tension on them increases. Each guy grip is made for a specific cable size and it would be bad news to try it on another size of cable. I definitely would not reuse one and I have never seen them used on flexible wire rope type cable.

Those tear-drop shaped pieces of metal to prevent cable from wearing against a sharp edge are called "thimbles". Yes, that's right, thimbles. I know they don't look anything like thimbles. I can't help it. I didn't name them. Anyway, it's a good idea to use them anywhere the guy wire makes a sharp bend over an edge. Using 1/4 inch thimbles on 3/16 inch guy wire makes the whole installation process MUCH easier. I recommend slightly oversized thimbles for any guying job.

Rohn makes some very good hardware for attaching the guy wires to the tower. About half the installations I have seen use this hardware and the other half just pass the guy wire around the tower leg and clamp it back on itself with two clamps (or one copper crimped fastener). If you choose not to use Rohn's hardware on the tower, take precautions to pass the guy wire around the tower leg such that no strain is put on any of the tower's welds. Rohn's hardware can be installed with torque bars to help relieve the twisting action that occurs when a large beam is suddenly stopped with rotator breaking.

Anchoring the guy wires to the ground is another interesting subject. By far, the most common method is to use screw-in earth anchors. These are relatively inexpensive and easy to install for towers up to about 70 feet. The Rohn GAS604 is a good choice (6 inch plate, 4 foot rod). Above 70 feet, larger anchors should be used and they get tough to install, even in ground without rocks. Since my towers are over 100 feet, I use utility-type anchors with rods 8 or 9 feet long. I dig a hole six feet deep and bury the anchor with lots of rocks and at least a few cubic feet of concrete to hold the rocks together. Some of the more economy-minded hams I know have used

burled engine blocks or automobile axels as earth anchors. Some have guyed to trees and that is a rotten idea. Trees fall down in the wind and if your tower is attached... Well, you get the picture.

Don't skimp on turnbuckles either. Typical hardware store turnbuckles are not generally good enough. Ask what the breaking strength is and if the sales person doesn't know, you are in the wrong store. Hardware turnbuckles are for guying clotheslines and shrubs... How serious is it if they break? Good turnbuckles are made of forged steel and the sales person will know how strong they are. For 3/16 inch wire rope, I recommend 1/2 inch forged steel turnbuckles. You will pay from \$8 to \$15 each for good turnbuckles. Bad turnbuckles are sometimes made out of aluminum, if you can imagine that.

Another question to ponder is whether or not to break up your guy wires with insulators. Some do, some don't. The idea is to prevent the guy wires from affecting the radiation pattern of the antenna on top of the tower or patterns of other nearby antennas as well. It doesn't make much sense to break up the guy wires and then hang an inverted vee on the tower. You may as well insulate the guy wires from the tower at the top and bottom and use them as the inverted vee. In any case, if you do choose to break up your guy wires with insulators, I have some information on how often that should be done. Maybe we will get an opportunity to publish that at a later date.

Have you heard of "Phillystrand"? It's a strong fiberglass type of guy material that does not conduct and therefore does not need to be insulated. It costs a little more per foot than cable of the same strength but since insulators are not required, the overall cost is about the same. It sounds great. Only one problem. The outer coating, which looks like the black vinyl coating on coax, can be lit on fire with an ordinary match. Once lit, the fire travels up the guy wire to the top with gobs of flaming black goo dropping on whatever is below it. (Your roof, maybe?) I know. I tried this experiment with a sample piece. I'm going to stay with steel cable, thank you.

AMATEUR RADIO RELAY GROUP, INC.
PO Box 10031, Portland, Oregon 97210

SOUTH SADDLE MOUNTAIN
147.32 (+ Offset) Autopatch
449.225 (- Offset)
222.500 (- Offset)
CHANNEL 6 TV TOWER
147.04 (+ Offset) Autopatch
449.325 (- Offset)
MOUNT HOOD
147.12 (+ Offset)

FULL DUES \$20 ASSOCIATE DUES \$12

HOLIDAY RECIPES BY BETTY, W7CPV

(Ed's note: Betty Hartzig, W7CPV, one of our members we see infrequently because she lives in Grants Pass, operates a "Cottage Industry" type bake shop called Betty's Enterprises from her State licensed kitchen. Her reputation goes far and wide for her Snappy Peanut Brittle and Fruit Cakes. Here are a couple of Holiday recipes she knows we will enjoy.)

TOM AND JERRY BATTER

12 eggs, separated
1 lb. Butter, room temperature
3 lbs. Powdered Sugar
1 Tsp. Vanilla, rum or brandy flavoring
1 Tsp. Mace
1 Tsp. Nutmeg
1 Tsp. Cloves
1 Tsp. Allspice.

Beat egg whites until stiff. Beat egg yolks until light. Cream butter with powdered sugar; mix until crumbly. Add egg yolks and vanilla; mix well. Add spices. Add egg whites and beat until well mixed.

Batter will keep for several weeks in refrigerator and will keep for months, if covered good and frozen.

Use at least 1 heaping Tbsp. for the regular 5 oz. cups. Use 2 heaping Tbsp. for each 8 oz. serving. Be sure your water is boiling hot when you mix it with the batter. Stir to blend. Drink and enjoy.

CORN BEEF PIZZA

2 cups Regular Flour
1 cup Shredded Cheddar Cheese
2 Tsp. Baking Powder
1 can (12 oz.) Corned Beef
1/3 cup Pickle Relish
1/3 cup Mayonnaise
1/3 cup Milk
1/2 Tsp Dry Mustard
3/4 cup Dairy Sour Cream

In a large bowl, combine flour and baking powder. Add pickle relish, mayonnaise and milk. Stir until dough clings together in a ball.

Roll to approx. size of pan, between 2 sheets of wax paper or press to fit pan with your hands. A 12 or 14 inch pizza pan, or a 13x9 inch pan may be used.

Break up corned beef and sprinkle over crust. In a small bowl, combine cheese, sour cream and dry mustard. Drop by spoonfuls over the corn beef.

Bake at 425 deg. for 20 to 25 minutes. Serve hot or cold. It can be placed on a wax-paper covered paste board and over wrapped with foil and frozen.

Note: The corn beef you buy fresh from your butcher, will not be half as good as the canned. The texture and flavor are different.

This is not to be made in a microwave, reheated in one. You want the crust to be crisp, not soft. If you like pizza, I am sure you will like this one.



A HAM'S CHRISTMAS

T'was the night
before Christmas
and all through the
shack,
Was the warm glow of
tubes in the linear
rack.
The log book was
brought up to date
with great care,
In hopes the DXCC
some day might be
there.

XYL and Harmonics were snug in their
beds,
While visions of no contests danced in
their heads.
As I plugged in my mike and my new VFO,
I was getting all set for a long QSO.

When from the antenna relays there arose
such a clatter,
I pulled the big switch to see what was
the matter.
When up on the roof by the two meter
beam,
There came QRM like a heterodyne scream!

"On ICOM, on Ten Tec, on Viking and
Esmac,
On Yaesu, on Kenwood, on Heathkit and
Santec."
From bias to grid and voltage to plate,
Just watch the S-meter while we all
modulate.

As I turned to the rig and reached for a
dial,
Through the antenna tuner Santa slid
with a smile.
An RF choke he held tight in his teeth,
And coax encircled his head like a
wreath.

A bundle of ham gear he had flung on his
back,
Is that my name on a new power pack?
He had a flat nose like an egg
insulator,
And his cheeks glowed bright red like a
hot oscillator.

He spoke not a word but went straight to
his work,
Setting out all the ham gear, then
turned with a jerk.
And, laying a noise bridge aside of his
nose,
Wrote "Please QSL", up the feed line he
rose.

He climbed up the vertical, to the beam
gave a whistle,
And away they all flew on a good HF
signal.
But I heard his last signal as he faded
from sight,
"Seventy-three, Eighty-eight, Merry
Christmas, Good DX tonight!!!"

(With thanks to the Inland Empire VHF
Radio Amateurs, Inc. and apologies to C.
Clement Moore.)



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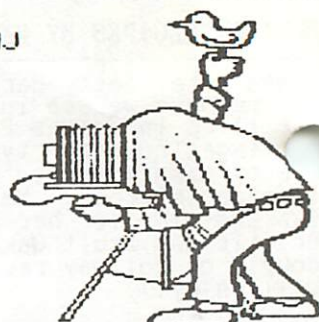
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Address Correction Requested

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